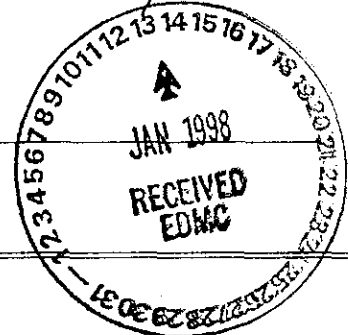


Meeting Minutes Transmittal/Approval
Tri-Party Agreement Milestone Review Meeting
EPA Conference Room
January 28, 1997

From/ Appvl.: <u>Charlie A. Hansen</u> Charlie A. Hansen, RL IAMIT Representative	Date: <u>2/15/97</u>
Appvl.: <u>Michael Wilson</u> Michael Wilson, Ecology IAMIT Representative	Date: _____
Appvl.: <u>Douglas R. Sherwood</u> Doug Sherwood, EPA IAMIT Representative	Date: <u>2/25/97</u>
Prepared by Appvl.: <u>W. Russ Brown</u> Fluor Daniel Hanford, Inc.	Date: _____



Distribution

Alexander, S. M.	Ecology B5-18	Morrison, R. D.	FDH B2-35
Arnold, L. D.	FDH B2-35	Rasmussen, J. E.	RL A5-15
Blazek, M. L.	ODOE	Roeder-Smith, L.	JAC H0-51
625 Marion N.E., Salem, OR 97310*		Sanders, G. H.	RL A5-15*
Brown, W. R.	FDH B2-35*	Selby, M. A.	Ecology B5-18
Craig, P.	LMHC G3-21*	Sherwood, D.	EPA B5-01*
Dahl, S.	Ecology B5-18*	Skinnarland, R.	Ecology B5-18*
Ellis-Balone, G.	RL A5-15	Williams, J. D.	FDH B2-35
Haass, C. C.	RL S7-51*	Wilson, M. A.	Ecology B5-18*
Hansen, C. A.	RL S7-41	EDMC	H6-08*
Jackson, D. E.	RL A5-15		
Kinzer, J. E.	RL S7-50		
Miera, F. R.	RL A5-15		

* W/Attachments

MILSTN01.28

Meeting Minutes
TPA Milestone Review Meeting
EPA Conference Room
January 28, 1997

1. **November Meeting Minutes**

The November meeting minutes were reviewed and approved by the three parties.

2. **Milestone Review**

Carolyn Haass passed out Attachment 1 concerning:

- A. M-40-00 - Expanded USQ for methane and ammonia. (see attachment 1)
- B. M-41-00 - Stabilize 116 of 148 Tanks. T-104 transfer line is (see attachment 1) clogged.

Three groups of tanks regarding standing orders according to risk:

- 1. High risk;
- 2. Mid risk;
- 3. Low risk.

Vapor document forthcoming which could move tanks from one list to another.

Class III tanks require less safety assessment than Class I's and II's.

- * M-41-21 change request deadline for dispute is February 20, 1997. Carolyn Haass to get with Suzanne Dahl.
- C. M-43-01 Tank Farm Ventilation Upgrades - If W-030 milestone is missed, then M-17-00B is missed and a consent order milestone will also be missed. (see attachment 1)
- D. M-43-07 (see attachment 1)
- E. M-43-00 - Complete Tank Farm Upgrades (see attachment 1)
- F. M-44-00 Tank Waste Characterization. Discussion occurred about what constitutes a "draft" TWAP and what schedules for sampling and analysis are best to satisfy the need to characterize the tank waste. An integrated logic is being prepared which fits all the programs together and characterization activities will not be changed with Mike Wilson's approval without a clear understanding of how other activities impact the characterization program. (see attachment 1)
- G. M-45-00 Complete Closure of SST Farms (see attachment 1)

Action: M-45-03A - Suzanne Dahl will take action with Scott McKinney to determine if 90% CDR is acceptable to meet the milestone.

H. M-46 DST Space Evaluation (see attachment 1)

I. Privatization Milestones (see attachment 1)

Action: Jackson Kinzer will take action to discuss with privatization contractors concerning when/what they can reveal concerning business sensitive information to help with permitting activities.

Action: Suzanne Dahl and Carolyn Haass will discuss with the integration team for privatization prior to Jackson Kinzer discussing with privatization contractors.

J. M-90 Interim Storage and Disposal of Low Activity Waste (LAW) and interim storage of High Level Waste (HLW) (see attachment 1).

Action: Carolyn Haass will determine the actual due date for M-90-05T.

Action: Doug Sherwood requested information on new funding baseline for TWRS to compare to today's handout on TWRS milestones. Carolyn Haass will get this information to Doug Sherwood. Doug wants a project breakdown of costs from Carolyn Haass.

Doug also wants DOE to come in and evaluate/critique the contractor's performance during the last reporting period at each milestone review meeting. See Attachment 1 for complete details.

Meeting adjourned at 4:15.

ATTENDEES

TPA MILESTONE REVIEW

DATE: 1-28-97

<u>NAME</u>	<u>ORGANIZATION</u>	<u>MAILSTOP</u>	<u>(✓) FOR ATTACHMENTS</u>
<u>Russ Brown</u>	<u>FDH-TAPL</u>	<u>B2-35</u>	<u>✓</u>
<u>DALE JACKSON</u>	<u>DOE-EAP</u>	<u>A5-15</u>	
<u>Doug Sherwood</u>	<u>EPA</u>	<u>B5-01</u>	<u>✓</u>
<u>Ron Skinnard</u>	<u>Ecology</u>		<u>✓</u>
<u>George H. Sanders</u>	<u>DOE-RL/EAP</u>	<u>A5-15</u>	<u>✓</u>
<u>Jackson King</u>	<u>DOE-RL-TWRS</u>		
<u>Mike Wilson</u>	<u>Ecology</u>	<u>—</u>	<u>✓</u>
<u>Phil Craig</u>	<u>LMHC</u>	<u>G3-21</u>	<u>✓</u>
<u>Lynne Foster-Smith</u>	<u>Jason Assoc.</u>	<u>H3-51</u>	
<u>Suzanne Dahl</u>	<u>Ecology</u>		<u>✓</u>
<u>CAROLYN HAASS</u>	<u>DOE-RL-TWRS</u>	<u>57-51</u>	<u>✓</u>

MILESTONE M-40-00 SAFETY ISSUE RESOLUTION

- Milestone Description: Mitigate/Resolve Tank Safety Issues for High Priority Watch List Tanks (September 2001)
 - Includes Flammable Gas, Ferrocyanide, Organic, and High-Heat
 - M-40-09 - Close all USQs (September 1998)
 - M-40-10 - Complete Vapor Space Monitoring for all Flammable Gas tanks (January 1997)
 - M-40-12 - Resolve Criticality Safety Issue (September 1999)

Last Three Months

- Closure of the ferrocyanide safety issue
- Removal of ferrocyanide tanks (18) from the Watch List
- Expanded USQ for flammable gas issue

Next Six Months

- M-40-10, Complete Vapor Space Monitoring (January 1997)

Issues

- M-40-00 is currently on schedule, however:
 - Expanded USQ's
 - Budget levels through FY 2001may impact ability to meet schedule

MILESTONE M-41-00

COMPLETE SINGLE-SHELL TANK INTERIM STABILIZATION

- Milestone Description
 - Complete interim stabilization and intrusion prevention of 148 single-shell tanks by September 30, 2000.
(currently have completed interim stabilization on 116 tanks and intrusion prevention on 102 tanks)

Past Three Months

- Flammable gas monitor installed on A-101; being installed on six others (T-110, S-109, AX-101, BY-103, BY-105 and BY-106)
- Tank S-108 declared interim stabilized on December 20, 1996
- Tank S-110 has met criteria for interim stabilization. Video shows no free surface liquid.
 - Stabilization package from PHMC is being submitted to RL
- Tank T-104 saltwell pumping was restarted on January 3, 1997.
- Resolution of the Combined (E Farm/~~T~~ Farm) Standing Orders, January 7, 1997
W

Next Six Months

- Request is in progress to move Tank BY-109 from a facility class 2 to facility class 3 per the flammable gas Standing Order. Restart of pumping will commence upon change approval.
- Engineering and field activities are being focused on T-110 and BY-103 to meet March 31, 1997 interim milestone.
- Three additional exhausters are being fabricated for saltwell pumping flammable gas tanks. Next exhauster to be delivered March 1997.
- Resolution of dispute on M-41-21

ISSUES

- **Saltwell pumping of A-101**
 - physical configuration of tank differs somewhat from safety assessment
 - determination of which safety assessment controls are required to be Interim Operations Safety Requirements
- **Flammable Gas**
 - all remaining tanks to be pumped are impacted by flammable gas issue
 - safety assessment for A-101 is the template that will be followed when pumping remaining facility class 2 or greater tanks
 - Process defined for class 2/class 3 determination
 - class 3 tanks within approved standing order controls
- **Budget**
 - M-41 interim milestones are adequately funded for FY'97

ISSUES (con't)

- **M-41-21 Change Request**
 - Preparing dispute correspondence
 - Commingling decision is required by October 1997, combined RL and LMHC agreement
 - TRU resolved by SY-102 mixer pump cleanout

MILESTONE M-43-01

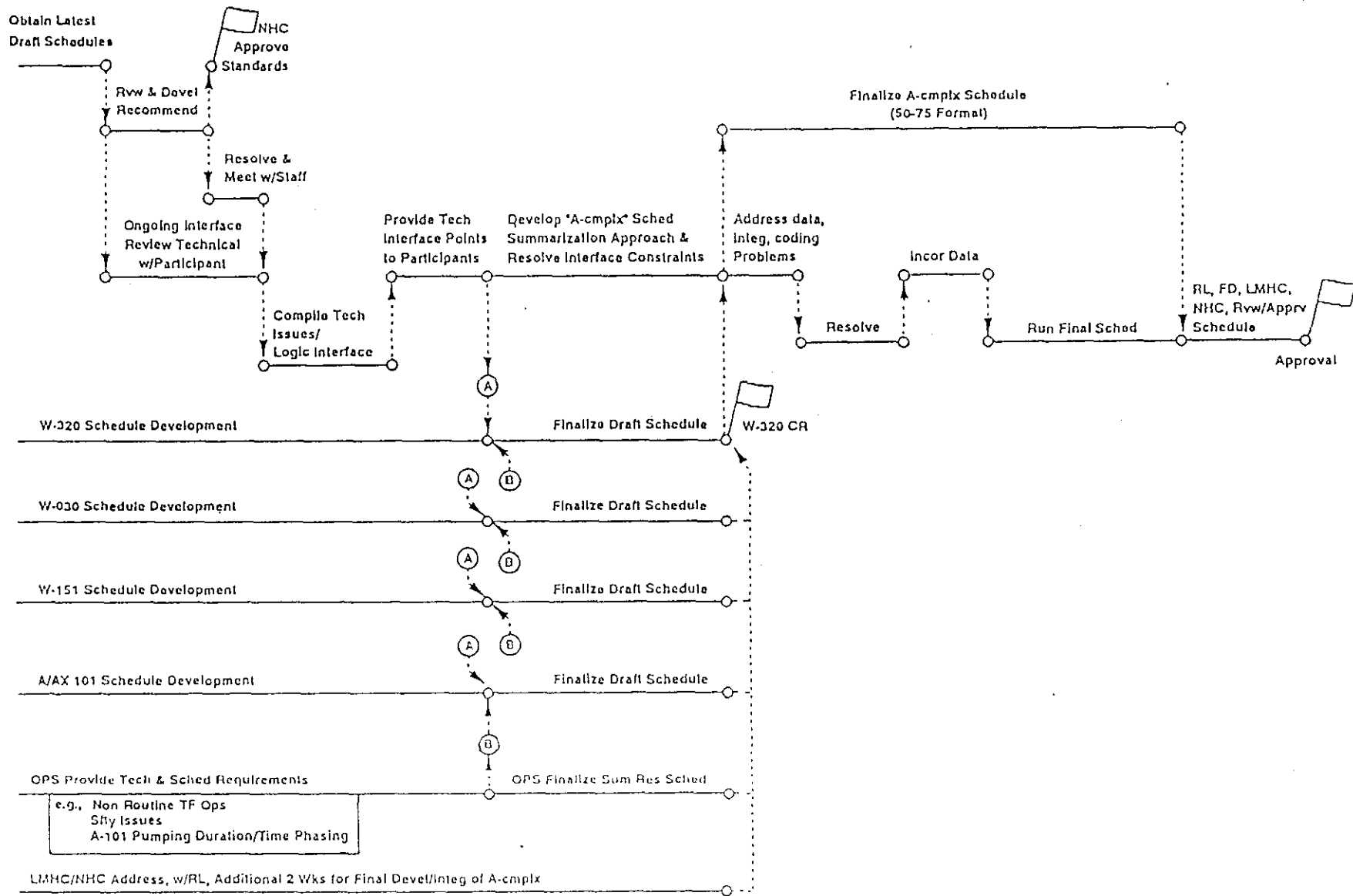
Tank Farm Ventilation Upgrades

- Milestone Description: Project W-030 will provide a new primary ventilation and recirculation cooling system for 241-AY and 241-AZ Tank Farms. New ventilation systems are to be installed, tested and turned over to operations by October 1997.
 - M-43-01, Project W-030 Tank Farm Ventilation Upgrades (October 1997)
 - M-43-01C, Begin Operation (October 1997)

Past Three Months

- Safety Analysis Report at RL for review and approval
- Stopped work due to delayed receipt of funds
- TPA change package approved.
 - New completion date, October 1997
- Received approval of congressional reprogramming request

A Complex Integration



Next Six Months

- Review contractor strategy for integration of A-Complex activities using a single database.
- Complete project rebaselining by end of February
- "Mockup" demonstration to be performed on 20" tie-ins for risk evaluation

ISSUES

- Project rebaselining contingent upon achieving full A-Complex integration; increase in budget for W-030, W-151
- Workscope in support of ORR execution continues to slip; forecast completion date April 1997.
- SARR-039
 - resolution of Flammable Gas Evaluation Advisory Board Findings and Recommendations
 - resolution of Tier II Review Comments
 - Implementation of the BIO could further impact the schedule

*BEHIND ON
PRE-OPERATIONAL
TESTING*

ISSUES (con't)

- Major Milestone M-17-00B, "Complete Implementation of Best Available Technology/All Known, Available, and Reasonable Methods of Prevention, Control, and Treatment (BAT/AKART) for All Phase II Liquid Effluent Streams at the Hanford Site", 10/31/97
 - potential impact to milestone and consent order if ventilation systems are not installed.

MILESTONE M-43-07

CROSS-SITE TRANSFER SYSTEM

- MILESTONE DESCRIPTION: Project W-058 will replace the present cross-site transfer system with a buried pipe-in-pipe system, approximately 6 1/2 miles long. This system will be capable of transferring liquid waste in either direction between the Hanford 200 East and 200 West Areas and slurries from the 200 West Area to the 200 East Area. This project will provide a compliant and reliable transfer system linking 200 East Area and 200 West Area in support of urgent near-term operational needs and the long-term TWRS mission.
 - M-43-07B, Construction Complete (8/31/97)
 - M-43-07, Complete Project W-058 (2/28/98)
 - M-43-07C, System Operational (2/28/98)

Past Three Months

- Pipeline construction
 - 2 pipes of approximately 3 miles completed
 - placement of clamshell welds
- Flush system contract (C-5) issued to Apollo
- Pump has been completed
- Vent Station support building (pre-cast concrete) erected
- BIO preparation to support 2/29/98 operations date

Next Six Months

- Installation of clamshells and Controlled Density Fill
- Finish shoring and rebar in vent station/diversion box roof
- Pour roof and support buildings of diversion box and vent stations

ISSUES

- Primary welding is behind schedule
 - Inclement weather has impacted project two weeks to date
 - Automated welder being qualified to increase weld productivity (80 welds/week)
 - Contract completion date is May 31, 1997 - currently projecting to meet date
- Mitigation Activities
 - Briefings with Natural Resources Trustee Council were held 1/10/97 to discuss the mitigation strategy for sagebrush seedlings

MILESTONE M-43-00

Complete Tank Farm Upgrades

- PROJECT W-314, Tank Farm Restoration and Safe Operations, is scoped to bring identified double-shell tank ventilation, instrumentation, electrical, and transfer systems into compliance with Dangerous Waste regulations. The project is currently planned, in the next three years, to support the privatization initiative with the remaining scope to be completed by June 2005.
 - M-43-10, Start Definitive Design for Project W-314
January 31, 1997
 - M-43-11, Provide the W-314 project construction schedule to Ecology
September 30, 1998
 - M-43-12, Start construction for upgrades in the first tank farm
June 30, 1999

Past Three Months

- Obtained Critical Decision 2, Approval of Baseline, on December 26, 1996.
- Completed Summary Project Plan revision
- Continued to support the FM-20 ICE review
- Completed a revision of the Conceptual Design Report (CDR)

Next Six Months

- Awaiting approval of delegation of Critical Decisions 3 and 4 and baseline change control form to EM, then to the field
- Definitive Design will begin prior to January 31, 1997 (M-43-10)

ISSUES

- None

M-44-00

DOUBLE AND SINGLE SHELL TANK CHARACTERIZATION

- Milestone Description: Issue tank characterization reports (TCRs) based on process knowledge, prior characterization data, and validated empirical data acquired after May 1989 for 177 tanks.
 - M-44-02C, Final TWAP for FY '97 10/31/96
 - M-44-01D, Draft TWAP for FY '98 5/31/97
 - M-44-02D, Final TWAP for FY '98 8/30/97
 - M-44-10, Deliver 40 TCRs 9/30/97

Last Three Months

- Resumed retained gas sampling of U-103 with truck #1 in push mode on January 8, 1997
- Resumed grab sampling of T-110 in support of saltwell pumping on January 8, 1997
- Completed homogeneity vapor samples
- Completed truck #4 Operational Readiness Review
- Resolution of JCO and Standing Orders
- Resumed sampling with truck #2 on January 27, 1997

Next Six Months

- Funding has been restored to the program to support sampling and analysis activities as follows:
 - Priority will be given to sampling and laboratory analysis of the tanks designated in the Characterization Technical Basis as constrained by authorization basis.
 - Continue sampling to provide added confidence in safety program.
 - Continue sampling to provide information for other programmatic issues
 - All tanks will be sampled and analyzed unless justified on a technically defensible basis.
- Resolution of dispute on M-44-02C through partnering workshops
- RL approved exceptions to Standing Orders 96-34 and 96-26 on 12/20/96.

Issues

- Ecology has rejected the FY 1997 Tank Waste Analysis Plan (TWAP), M-44-02C. Partnering group is working resolution.
- Core sampling was delayed from October 8, 1996 through January 8, 1997, due to Flammable Gas USQ, the proposed JCO, and Standing Orders. All other sampling was delayed October 18, 1996.
- Planned and unplanned modifications to sampling trucks needed.

MILESTONE M-45-00

COMPLETE CLOSURE OF ALL SINGLE SHELL TANK FARMS

- Milestone Description: Complete closure of all single shell tanks farms by 2024. Closure will follow retrieval of as much tank waste as technically possible.
 - M-45-02, Annual Update of SST Retrieval Sequence Document for Ecology Approval
 - M-45-03A, Initiate sluicing retrieval of C-106 10/31/97
 - M-45-04A, Complete conceptual design for the initial SST Retrieval System 4/30/97
 - M-45-08-T02, Establish criteria through stakeholder participation for 1) determining allowable leakage, and 2) acceptable LDMM measures to permit sluicing operations 4/30/97
 - M-45-09B, Submit LDMM annual progress report 9/30/97

Past Three Months

- Submitted W-211 safety assessment for Tier II review
- Completed sonic probe change request
- Completed W-151 functional test
- Issued W-211 102-SY Title II design for review

Next Six Months

- Complete approval process for change request on C-106 (Project W-320) rebaseline for additional funding
- Finalize and implement stakeholder involvement plan for Leak Detection Monitoring and Mitigation (M-45-08-T02)
- Incorporate privatization requirements into baseline
- Complete W-211 Title II design for 102-SY
- Complete 101-AZ mixer pump test and evaluation

ISSUES

- Budget Impacts
 - SST Retrieval
- C-106 Retrieval Delays/Rebaseline
 - Need to obtain documented technical basis for proceeding with added work scope
 - Need an overall strategy for meeting project mission
 - Cost estimate and schedule needs significant work
- Non-TPA Impacts
 - Retrieval sequence impacts 2018 SST Retrieval
- Completion of project W-151 lagging

M-46 MILESTONES DOUBLE SHELL TANK SPACE EVALUATION

- Milestone Description: A tank volume projection report shall be submitted on an annual basis to Ecology and EPA. This report shall include discussions covering all assumptions which form the basis of the projection. The report shall include or shall be accompanied by DOE's plans for acquisition of additional tanks based on the tank volume projection.
 - M-46-00, Submit Annual Double-Shell Tank Space Evaluation Report
 - M-46-01, Annual Ecology Concurrence of Additional Tank Acquisition

Past Three Months

- Commenced data collection for use in next Tank Space Volume Projection Report
- Contractor working on integrating TWRS process documents; a schedule will be provided on this activity so that Ecology can be involved in the process.

Next Six Months

- Continue data collection for OWVP report
- Integrity Assessments are ongoing in AW-103

Issues

- Integrity of DSTs
 - a cross section of 6 tank integrity assessments - to be completed by 1999 - will be used to verify assumptions used in the tank space report.
- Complexed TRU waste compatibility/segregation in 200 West area
 - this was identified as an issue in M-46-01C and is ongoing. A schedule for resolution will be issued by the contractor by the end of January.

PRIVATIZATION MILESTONES

- M-50-00, December 31, 2028
 - Complete Pretreatment Processing of Hanford Tank Waste
- M-51-00, December 31, 2028
 - Complete Vitrification of Hanford High Level Tank Waste
- M-60-00, December 31, 2024
 - Complete Pretreatment and Immobilization of Hanford Low Activity Tank Waste
- M-61-00, December 31, 2028
 - Complete Pretreatment and Immobilization of Hanford Low Activity Tank Waste

Last Three Months

- Transmitted to Ecology an independent report that identifies reasonable and practical contracting mechanisms that would facilitate acceleration of the start of hot operations of a LAW Pretreatment and Immobilization Facility under the Alternative Path to Privatization (M-60-09) 10/24/96

Next Six Months

- Integrated Process Team activities
- Permitting activities
- Public involvement

Issues

- Interim Milestone M-50-03 is in jeopardy due to chromium inventory. A workshop is scheduled to evaluate the emergent chromium problems.
- Ecology has requested formal discussions regarding the HLW milestones (M-50,51 series)
- Ecology would like to begin working group discussions with DOE regarding the alternate path mechanisms described in the report and begin developing a path forward.

MILESTONES M-90

INTERIM STORAGE AND DISPOSAL OF LAW AND INTERIM STORAGE OF HLW

- Milestone Description: Establishes new major milestone and associated interim milestones and target dates, governing the acquisition of new facilities, modification of existing facilities and/or modification of planned facilities necessary for
 - 1) interim storage of TWRS IHLW and
 - 2) interim storage and disposal of TWRS ILAW.

M-90 Major Milestones		
M-90-00	Complete Acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities as necessary	TBD
M-90-01	Submit interim storage and disposal ILAW, and interim storage IHLW Project Management Plans to Ecology	December 1997
M-90-03	Initiate ILAW interim storage facility construction	June 2001
M-90-06	Initiate hot operations of ILAW interim storage facility	December 2002
M-90-08	Initiate ILAW disposal facility construction	June 2003
M-90-10	Initiate hot operations of ILAW disposal facility	December 2005
M-90-11	Complete canister storage facility construction	December 2002
M-90-12	Submit revised canister storage facility Part A Dangerous Waste Permit application to Ecology	June 1999

Last Three Months

- Obtained Tri-Party signature approval of change package and responses to public comments on December 31, 1996.
- Submitted ILAW Storage Facility conceptual design statement of work for review.
- Commenced IHLW Canister Storage Building conceptual design

ISSUES

- M-90-05T, Submit Final ILAW Disposal Facility Performance Assessment to Ecology for review
 - Milestone date clerical error committed during M-90 milestone negotiations (2001 should have been 2002). Also, projected milestone impact due to FY97 funding shortfall.
 - Recommended actions: Replace milestone with new target milestone after replanning to new funding level and submit Preliminary PA to Ecology for review and comment.